

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Young et al.

Serial No.: 09/205,258

Group Art Unit: 1631

Filed: December 4, 1998

Examiner: Moran, M.

Title: **Precerebellin-like protein**  
(as amended)

Attorney Docket No.: PZ007P1

ASSOCIATE POWER OF ATTORNEY

Commissioner for Patents  
Washington, D.C. 20231

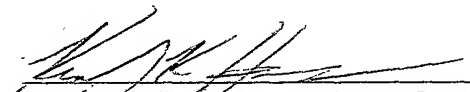
Sir:

Applicants' attorney hereby appoints all Practitioners at **Customer Number 22195** as its attorneys or agents with full power of substitution, association, and revocation to prosecute the application identified above, including any continuation or divisional applications, and to transact all business in the U.S. Patent and Trademark Office connected therewith.

Applicants' attorney also requests that the correspondence address remain the same.

Respectfully submitted,

Date: November 14, 2001

  
Kenley K. Hoover (Reg. No. 40,302)  
Attorney for Applicants

**Human Genome Sciences, Inc.**  
9410 Key West Avenue  
Rockville, MD 20850  
(301) 610-5771 (phone)

KKH/lcc

## DECLARATION FOR PATENT APPLICATION

As a below named inventor, I declare that I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

### **207 Human Secreted Proteins**

the specification of which was filed on **December 4, 1998** as Application Serial No. **Serial No: 09/205,258**.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

Priority Claimed  
Yes No

(Number)

(Country)

(Day/Month/Year Filed)

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

	Filing Date	Appln No.
1.	06-Jun-1997	60/048,885
2.	06-Jun-1997	60/049,375
3.	06-Jun-1997	60/048,881
4.	06-Jun-1997	60/048,880
5.	06-Jun-1997	60/048,896
6.	06-Jun-1997	60/049,020
7.	06-Jun-1997	60/048,876
8.	06-Jun-1997	60/048,895
9.	06-Jun-1997	60/048,884
10.	06-Jun-1997	60/048,894
11.	06-Jun-1997	60/048,971
12.	06-Jun-1997	60/048,964
13.	06-Jun-1997	60/048,882
14.	06-Jun-1997	60/048,899
15.	06-Jun-1997	60/048,893
16.	06-Jun-1997	60/048,900
17.	06-Jun-1997	60/048,901
18.	06-Jun-1997	60/048,892
19.	06-Jun-1997	60/048,915
20.	06-Jun-1997	60/049,019
21.	06-Jun-1997	60/048,970
22.	06-Jun-1997	60/048,972

23.	06-Jun-1997	60/048,916
24.	06-Jun-1997	60/049,373
25.	06-Jun-1997	60/048,875
26.	06-Jun-1997	60/049,374
27.	06-Jun-1997	60/048,917
28.	06-Jun-1997	60/048,949
29.	06-Jun-1997	60/048,974
30.	06-Jun-1997	60/048,883
31.	06-Jun-1997	60/048,897
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33.	06-Jun-1997	60/048,962
34.	06-Jun-1997	60/048,963
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56.	05-Sep-1997	60/057,644
57.	05-Sep-1997	60/057,765
58.	05-Sep-1997	60/057,762
59.	05-Sep-1997	60/057,775
60.	05-Sep-1997	60/057,648
61.	05-Sep-1997	60/057,774

62.	05-Sep-1997	60/057,649
63.	05-Sep-1997	60/057,770
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65.	05-Sep-1997	60/057,761
66.	05-Sep-1997	60/057,760
67.	05-Sep-1997	60/057,776
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69.	05-Sep-1997	60/057,629
70.	05-Sep-1997	60/057,628
71.	05-Sep-1997	60/057,777
72.	05-Sep-1997	60/057,634
73.	18-Dec-1997	60/070,923
74.	15-Jul-1998	60/092,921
75.	30-Jul-1998	60/094,657

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

**PCT/US98/11422**

(Application Serial No.)

**04 June 1998**

(Filing Date)

**Pending**

(Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: A. Anders Brookes (Reg. No. 36,373), Kenley K. Hoover (Reg. No. 40,302); James H. Davis (Reg. No. 40,582), Joseph J. Kenny (Reg. No. 43,710) and Michele M. Wales (Reg. No. 43,975) all of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**Full name of additional joint inventor:**

**Paul Young**

Inventor's signature:

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Date:

Citizenship:

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**Full name of additional joint inventor:**

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Date:

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Full name of additional joint inventor: Ann M. Ferrie

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Full name of additional first joint inventor: Steven M. Ruben

Inventor's signature: Steven M. Ruben Date: 5/11/99  
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Full name of additional joint inventor: Craig A. Rosen

Inventor's signature: Craig A. Rosen Date: 5/11/99  
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Full name of additional joint inventor: Jing-Shan Hu

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Full name of additional joint inventor: Henrik S. Olsen

Inventor's signature: Henrik S. Olsen Date: 5/10/99  
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Full name of additional joint inventor: Reinhard Ebner

Inventor's signature: Reinhard Ebner Date: 5/10/99  
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Full name of additional joint inventor: Laurie A. Brewer

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Full name of additional joint inventor: Paul A. Moore

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Full name of additional joint inventor: Yanggu Shi

Inventor's signature: Yanggu Shi Date: 5/14/99  
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Full name of additional joint inventor: Charles Florence

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Full name of additional joint inventor: Kimberly Florence

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Full name of additional joint inventor: Ping Fan

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Full name of additional joint inventor: Ying-Fei Wei

Inventor's signature: *Ying-Fei Wei* Date: 5/13/99  
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Full name of additional joint inventor: Carrie L. Fischer

Inventor's signature: *Carrie L. Fischer* Date: 05/10/99  
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Full name of additional joint inventor: Daniel R. Soppet

Inventor's signature: *Daniel R. Soppet* Date: 5/11/99  
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Full name of additional joint inventor: Yi Li

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Full name of additional joint inventor: Zhizhen Zeng

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Full name of additional joint inventor: Hla Kyaw

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Full name of additional joint inventor: Guo-Liang Yu

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Full name of additional joint inventor: Ping Feng

Inventor's signature: Ping Feng Date: 5/24/99  
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Full name of additional joint inventor: Patrick J. Dillon

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Full name of additional joint inventor: Gregory A. Endress

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Full name of additional joint inventor: Kenneth C. Carter

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 11601 Brandy Hall Lane, North Potomac, MD 20878 Citizenship: US  
Post Office Address: same as above

Human Genome Sciences, Inc.  
9410 Key West Avenue Rockville, MD 20850  
301-309-8504 Phone 301-309-8439 Fax

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			Yes	No

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**PCT/US98/11422**

(Application Serial No.)

**04 June 1998**

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**Pending**

(Status: patented, pending, abandoned)

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**Full name of additional joint inventor:**

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Inventor's signature:

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**Full name of additional joint inventor:**

John M. Greene

Inventor's signature:

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**Full name of additional first joint inventor:** Steven M. Ruben  
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**Full name of additional joint inventor:** Craig A. Rosen  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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**Full name of additional joint inventor:** Jing-Shan Hu  
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**Full name of additional joint inventor:** Henrik S. Olsen  
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**Full name of additional joint inventor:** Reinhard Ebner  
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**Full name of additional joint inventor:** Laurie A. Brewer  
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**Full name of additional joint inventor:** Paul A. Moore  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 19005 Leatherbark Drive, Germantown, MD 20874 Citizenship: UK  
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**Full name of additional joint inventor:** Yanggu Shi  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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**Full name of additional joint inventor:** Charles Florence

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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**Full name of additional joint inventor:** Kimberly Florence

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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**Full name of additional joint inventor:** David W. Lafleur

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**Full name of additional joint inventor:** Jian Ni

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**Full name of additional joint inventor:** Ping Fan

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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**Full name of additional joint inventor:** Ying-Fei Wei

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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**Full name of additional joint inventor:** Carrie L. Fischer

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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**Full name of additional joint inventor:** Daniel R. Soppet

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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**Full name of additional joint inventor:** Yi Li

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Full name of additional joint inventor: Zhizhen Zeng

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Full name of additional joint inventor: Hla Kyaw

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Full name of additional joint inventor: Guo-Liang Yu

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 242 Gravatt Dr., Berkeley, California 94705 Citizenship: CN  
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Full name of additional joint inventor: Ping Feng

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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Full name of additional joint inventor: Patrick J. Dillon

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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Full name of additional joint inventor: Gregory A. Endress

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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Full name of additional joint inventor: Kenneth C. Carter

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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# **DECLARATION FOR PATENT APPLICATION**

As a below named inventor, I declare that I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

## **207 Human Secreted Proteins**

the specification of which was filed on **December 4, 1998** as Application Serial No. **Serial No: 09/205,258**.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

Priority Claimed  
Yes No

(Number) (Country) (Day/Month/Year Filed)

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

	Filing Date	Appln No.
1.	06-Jun-1997	60/048,885
2.	06-Jun-1997	60/049,375
3.	06-Jun-1997	60/048,881
4.	06-Jun-1997	60/048,880
5.	06-Jun-1997	60/048,896
6.	06-Jun-1997	60/049,020
7.	06-Jun-1997	60/048,876
8.	06-Jun-1997	60/048,895
9.	06-Jun-1997	60/048,884
10.	06-Jun-1997	60/048,894
11.	06-Jun-1997	60/048,971
12.	06-Jun-1997	60/048,964
13.	06-Jun-1997	60/048,882
14.	06-Jun-1997	60/048,899
15.	06-Jun-1997	60/048,893
16.	06-Jun-1997	60/048,900
17.	06-Jun-1997	60/048,901
18.	06-Jun-1997	60/048,892
19.	06-Jun-1997	60/048,915
20.	06-Jun-1997	60/049,019
21.	06-Jun-1997	60/048,970
22.	06-Jun-1997	60/048,972

23.	06-Jun-1997	60/048,916
24.	06-Jun-1997	60/049,373
25.	06-Jun-1997	60/048,875
26.	06-Jun-1997	60/049,374
27.	06-Jun-1997	60/048,917
28.	06-Jun-1997	60/048,949
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30.	06-Jun-1997	60/048,883
31.	06-Jun-1997	60/048,897
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70.	05-Sep-1997	60/057,628
71.	05-Sep-1997	60/057,777
72.	05-Sep-1997	60/057,634
73.	18-Dec-1997	60/070,923
74.	15-Jul-1998	60/092,921
75.	30-Jul-1998	60/094,657

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

**PCT/US98/11422**

(Application Serial No.)

**04 June 1998**

(Filing Date)

**Pending**

(Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: A. Anders Brookes (Reg. No. 36,373), Kenley K. Hoover (Reg. No. 40,302); James H. Davis (Reg. No. 40,582), Joseph J. Kenny (Reg. No. 43,710) and Michele M. Wales (Reg. No. 43,975) all of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**Full name of additional joint inventor:**

**Paul Young**

Inventor's signature:

Date:

Residence: 122 Beckwith Street, Gaithersburg, MD 20878

Citizenship: US

Post Office Address: same as above

**Full name of additional joint inventor:**

**John M. Greene**

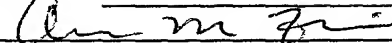
Inventor's signature:

Date:

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Citizenship: DE

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**Full name of additional joint inventor:** Ann M. Ferrie  
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**Full name of additional first joint inventor:** Steven M. Ruben  
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**Full name of additional joint inventor:** Craig A. Rosen  
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**Full name of additional joint inventor:** Jing-Shan Hu  
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**Full name of additional joint inventor:** Henrik S. Olsen  
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**Full name of additional joint inventor:** Reinhard Ebner  
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**Full name of additional joint inventor:** Paul A. Moore  
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Post Office Address: same as above

**Full name of additional joint inventor:** Kimberly Florence

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**Full name of additional joint inventor:** David W. Lafleur

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**Full name of additional joint inventor:** Ping Fan

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**Full name of additional joint inventor:** Ying-Fei Wei

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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Post Office Address: same as above

**Full name of additional joint inventor:** Carrie L. Fischer

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**Full name of additional joint inventor:** Daniel R. Soppet

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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Post Office Address: same as above

**Full name of additional joint inventor:** Yi Li

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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**Full name of additional joint inventor:** Zhizhen Zeng

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**Full name of additional joint inventor:** Hla Kyaw

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**Full name of additional joint inventor:** Guo-Liang Yu

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Post Office Address: same as above

**Full name of additional joint inventor:** Ping Feng

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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**Full name of additional joint inventor:** Patrick J. Dillon

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**Full name of additional joint inventor:** Gregory A. Endress

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**Full name of additional joint inventor:** Kenneth C. Carter

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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Human Genome Sciences, Inc.  
9410 Key West Avenue Rockville, MD 20850  
301-309-8504 Phone 301-309-8439 Fax

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(Number)

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**PCT/US98/11422**

(Application Serial No.)

**04 June 1998**

(Filing Date)

**Pending**

(Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: A. Anders Brookes (Reg. No. 36,373), Kenley K. Hoover (Reg. No. 40,302); James H. Davis (Reg. No. 40,582), Joseph J. Kenny (Reg. No. 43,710) and Michele M. Wales (Reg. No. 43,975) all of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850.

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**Full name of additional joint inventor:**

Paul Young

Inventor's signature:

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**Full name of additional joint inventor:**

John M. Greene

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Date:

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**Full name of additional joint inventor:** Craig A. Rosen  
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**Full name of additional joint inventor:** Jing-Shan Hu  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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**Full name of additional joint inventor:** Henrik S. Olsen  
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**Full name of additional joint inventor:** Reinhard Ebner  
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Inventor's signature: Laurie A. Brewer Date: 10/10/99  
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**Full name of additional joint inventor:** Paul A. Moore  
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**Full name of additional joint inventor:** Yanggu Shi  
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**Full name of additional joint inventor:** Charles Florence

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**Full name of additional joint inventor:** Kimberly Florence

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**Full name of additional joint inventor:** David W. Lafleur

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**Full name of additional joint inventor:** Ping Fan

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**Full name of additional joint inventor:** Ying-Fei Wei

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**Full name of additional joint inventor:** Carrie L. Fischer

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**Full name of additional joint inventor:** Daniel R. Soppet

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**Full name of additional joint inventor:** Yi Li

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Full name of additional joint inventor: Guo-Liang Yu

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Full name of additional joint inventor: Ping Feng

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Full name of additional joint inventor: Patrick J. Dillon

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## DECLARATION FOR PATENT APPLICATION

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### 207 Human Secreted Proteins

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1.	06-Jun-1997	60/048,885
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3.	06-Jun-1997	60/048,881
4.	06-Jun-1997	60/048,880
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19.	06-Jun-1997	60/048,915
20.	06-Jun-1997	60/049,019
21.	06-Jun-1997	60/048,970
22.	06-Jun-1997	60/048,972

23.	06-Jun-1997	60/048,916
24.	06-Jun-1997	60/049,373
25.	06-Jun-1997	60/048,875
26.	06-Jun-1997	60/049,374
27.	06-Jun-1997	60/048,917
28.	06-Jun-1997	60/048,949
29.	06-Jun-1997	60/048,974
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72.	05-Sep-1997	60/057,634
73.	18-Dec-1997	60/070,923
74.	15-Jul-1998	60/092,921
75.	30-Jul-1998	60/094,657

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**PCT/US98/11422**

(Application Serial No.)

**04 June 1998**

(Filing Date)

**Pending**

(Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: A. Anders Brookes (Reg. No. 36,373), Kenley K. Hoover (Reg. No. 40,302); James H. Davis (Reg. No. 40,582), Joseph J. Kenny (Reg. No. 43,710) and Michele M. Wales (Reg. No. 43,975) all of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**Full name of additional joint inventor:**

Paul Young

Inventor's signature:

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Residence: 122 Beckwith Street, Gaithersburg, MD 20878

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Post Office Address: same as above

**Full name of additional joint inventor:**

John M. Greene

Inventor's signature:

Date:

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**Full name of additional joint inventor:** Ann M. Ferrie

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**Full name of additional first joint inventor:** Steven M. Ruben

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**Full name of additional joint inventor:** Craig A. Rosen

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**Full name of additional joint inventor:** Jing-Shan Hu

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**Full name of additional joint inventor:** Henrik S. Olsen

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**Full name of additional joint inventor:** Reinhard Ebner

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**Full name of additional joint inventor:** Laurie A. Brewer

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**Full name of additional joint inventor:** Paul A. Moore

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**Full name of additional joint inventor:** Charles Florence

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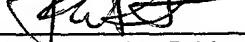
**Full name of additional joint inventor:** David W. Lafleur

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**Full name of additional joint inventor:** Ying-Fei Wei

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**Full name of additional joint inventor:** Daniel R. Soppet

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**Full name of additional joint inventor:** Yi Li

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**Full name of additional joint inventor:** Hla Kyaw

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**Full name of additional joint inventor:** Guo-Liang Yu

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**Full name of additional joint inventor:** Ping Feng

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**Full name of additional joint inventor:** Patrick J. Dillon

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**Full name of additional joint inventor:** Kenneth C. Carter

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## DECLARATION FOR PATENT APPLICATION

As a below named inventor, I declare that I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

### **207 Human Secreted Proteins**

the specification of which was filed on **December 4, 1998** as Application Serial No. **Serial No: 09/205,258**.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

Priority Claimed  
Yes No

(Number) (Country) (Day/Month/Year Filed)

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**PCT/US98/11422**

(Application Serial No.)

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**Pending**

(Status: patented, pending, abandoned)

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Paul Young

Inventor's signature:

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**Full name of additional joint inventor:**

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**Full name of additional joint inventor:** Henrik S. Olsen  
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**Full name of additional joint inventor:** Reinhard Ebner  
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**Full name of additional joint inventor:** Paul A. Moore  
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Full name of additional joint inventor: Charles Florence

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Full name of additional joint inventor: Kimberly Florence

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Full name of additional joint inventor: David W. Lafleur

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Full name of additional joint inventor: Jian Ni

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Full name of additional joint inventor: Ping Fan

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Full name of additional joint inventor: Ying-Fei Wei

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Full name of additional joint inventor: Carrie L. Fischer

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Full name of additional joint inventor: Daniel R. Soppet

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Full name of additional joint inventor: Yi Li

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34.	06-Jun-1997	60/048,963
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36.	06-Jun-1997	60/048,878
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39.	05-Sep-1997	60/057,668
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61.	05-Sep-1997	60/057,774
62.	05-Sep-1997	60/057,649
63.	05-Sep-1997	60/057,770
64.	05-Sep-1997	60/057,771
65.	05-Sep-1997	60/057,761
66.	05-Sep-1997	60/057,760
67.	05-Sep-1997	60/057,776
68.	05-Sep-1997	60/057,778
69.	05-Sep-1997	60/057,629
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72.	05-Sep-1997	60/057,634
73.	18-Dec-1997	60/070,923
74.	15-Jul-1998	60/092,921
75.	30-Jul-1998	60/094,657

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

**PCT/US98/11422**

(Application Serial No.)

**04 June 1998**

(Filing Date)

**Pending**

(Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: A. Anders Brookes (Reg. No. 36,373), Kenley K. Hoover (Reg. No. 40,302); James H. Davis (Reg. No. 40,582), Joseph J. Kenny (Reg. No. 43,710) and Michele M. Wales (Reg. No. 43,975) all of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**Full name of additional joint inventor:**

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Inventor's signature: \_\_\_\_\_

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**Full name of additional joint inventor:**

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Date: \_\_\_\_\_

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**Full name of additional joint inventor:** Ann M. Ferrie

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**Full name of additional first joint inventor:** Steven M. Ruben

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**Full name of additional joint inventor:** Craig A. Rosen

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**Full name of additional joint inventor:** Jing-Shan Hu

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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**Full name of additional joint inventor:** Henrik S. Olsen

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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**Full name of additional joint inventor:** Reinhard Ebner

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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**Full name of additional joint inventor:** Laurie A. Brewer

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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**Full name of additional joint inventor:** Paul A. Moore

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**Full name of additional joint inventor:** Yanggu Shi

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Full name of additional joint inventor: Charles Florence

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Full name of additional joint inventor: Kimberly Florence

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Full name of additional joint inventor: David W. Lafleur

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Full name of additional joint inventor: Ying-Fei Wei

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Full name of additional joint inventor: Carrie L. Fischer

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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Full name of additional joint inventor: Daniel R. Soppet

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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Full name of additional joint inventor: Yi Li

Inventor's signature: Yi Li Date: 6/6/89  
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**Full name of additional joint inventor:** Zhizhen Zeng

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**Full name of additional joint inventor:** Hla Kyaw

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**Full name of additional joint inventor:** Guo-Liang Yu

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**Full name of additional joint inventor:** Ping Feng

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**Full name of additional joint inventor:** Patrick J. Dillon

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**Full name of additional joint inventor:** Gregory A. Endress

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**Full name of additional joint inventor:** Kenneth C. Carter

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9410 Key West Avenue Rockville, MD 20850  
301-309-8504 Phone 301-309-8439 Fax



## DECLARATION FOR PATENT APPLICATION

As a below named inventor, I declare that I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

### **207 Human Secreted Proteins**

the specification of which was filed on **December 4, 1998** as Application Serial No. **Serial No: 09/205,258**.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

Priority Claimed  
Yes No

(Number) (Country) (Day/Month/Year Filed)

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

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1.	06-Jun-1997	60/048,885
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**PCT/US98/11422**

(Application Serial No.)

**04 June 1998**

(Filing Date)

**Pending**

(Status: patented, pending, abandoned)

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**Full name of additional joint inventor:**

Paul Young

Inventor's signature:

Date:

Residence: 122 Beckwith Street, Gaithersburg, MD 20878

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**Full name of additional joint inventor:**

John M. Greene

Inventor's signature:

Date:

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**Full name of additional joint inventor:** Ann M. Ferrie  
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**Full name of additional first joint inventor:** Steven M. Ruben  
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**Full name of additional joint inventor:** Craig A. Rosen  
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**Full name of additional joint inventor:** Jing-Shan Hu  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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**Full name of additional joint inventor:** Henrik S. Olsen  
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**Full name of additional joint inventor:** Reinhard Ebner  
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**Full name of additional joint inventor:** Laurie A. Brewer  
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**Full name of additional joint inventor:** Paul A. Moore  
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Full name of additional joint inventor: Charles Florence

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Full name of additional joint inventor: Kimberly Florence

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Full name of additional joint inventor: David W. Lafleur

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Full name of additional joint inventor: Jian Ni

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Full name of additional joint inventor: Ping Fan

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Full name of additional joint inventor: Ying-Fei Wei

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Post Office Address: same as above

Full name of additional joint inventor: Carrie L. Fischer

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Full name of additional joint inventor: Yi Li

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Full name of additional joint inventor: Hla Kyaw  
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Full name of additional joint inventor: Ping Feng  
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Full name of additional joint inventor: Patrick J. Dillon  
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Full name of additional joint inventor: Gregory A. Endress  
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Full name of additional joint inventor: Kenneth C. Carter  
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## DECLARATION FOR PATENT APPLICATION

As a below named inventor, I declare that I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

### **207 Human Secreted Proteins**

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Prior Foreign Application(s):

Priority Claimed  
Yes No

\_\_\_\_\_  
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44.	05-Sep-1997	60/057,764
45.	05-Sep-1997	60/057,643

46.	05-Sep-1997	60/057,769
47.	05-Sep-1997	60/057,763
48.	05-Sep-1997	60/057,650
49.	05-Sep-1997	60/057,584
50.	05-Sep-1997	60/057,647
51.	05-Sep-1997	60/057,661
52.	05-Sep-1997	60/057,662
53.	05-Sep-1997	60/057,646
54.	05-Sep-1997	60/057,654
55.	05-Sep-1997	60/057,651
56.	05-Sep-1997	60/057,644
57.	05-Sep-1997	60/057,765
58.	05-Sep-1997	60/057,762
59.	05-Sep-1997	60/057,775
60.	05-Sep-1997	60/057,648

61.	05-Sep-1997	60/057,774
62.	05-Sep-1997	60/057,649
63.	05-Sep-1997	60/057,770
64.	05-Sep-1997	60/057,771
65.	05-Sep-1997	60/057,761
66.	05-Sep-1997	60/057,760
67.	05-Sep-1997	60/057,776
68.	05-Sep-1997	60/057,778
69.	05-Sep-1997	60/057,629
70.	05-Sep-1997	60/057,628
71.	05-Sep-1997	60/057,777
72.	05-Sep-1997	60/057,634
73.	18-Dec-1997	60/070,923
74.	15-Jul-1998	60/092,921
75.	30-Jul-1998	60/094,657

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

**PCT/US98/11422**

(Application Serial No.)

**04 June 1998**

(Filing Date)

**Pending**

(Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: A. Anders Brookes (Reg. No. 36,373), Kenley K. Hoover (Reg. No. 40,302); James H. Davis (Reg. No. 40,582), Joseph J. Kenny (Reg. No. 43,710) and Michele M. Wales (Reg. No. 43,975) all of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**Full name of additional joint inventor:**

Paul Young

Inventor's signature:

Date:

Residence: 122 Beckwith Street, Gaithersburg, MD 20878

Citizenship: US

Post Office Address: same as above

**Full name of additional joint inventor:**

John M. Greene

Inventor's signature:

Date:

Residence: 872 Diamond Drive, Gaithersburg, MD 20878

Citizenship: DE

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**Full name of additional joint inventor:** Ann M. Ferrie  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 120 Fox Run Drive, Tewksbury, MA 01876 Citizenship: US  
Post Office Address: same as above

**Full name of additional first joint inventor:** Steven M. Ruben  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 18528 Heritage Hills Drive, Olney, MD 20832 Citizenship: US  
Post Office Address: same as above

**Full name of additional joint inventor:** Craig A. Rosen  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 22400 Rolling Hills Road, Laytonsville, MD 20882 Citizenship: US  
Post Office Address: same as above

**Full name of additional joint inventor:** Jing-Shan Hu  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 1247 Lakeside Drive #3034, Sunnyvale, CA 94086 Citizenship: CN  
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**Full name of additional joint inventor:** Henrik S. Olsen  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 182 Kendrick Place #24, Gaithersburg, MD 20878 Citizenship: DK  
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**Full name of additional joint inventor:** Reinhard Ebner  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 9906 Shelburne Terrace #316, Gaithersburg, MD 20878 Citizenship: DE  
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**Full name of additional joint inventor:** Laurie A. Brewer  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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**Full name of additional joint inventor:** Paul A. Moore  
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**Full name of additional joint inventor:** Yanggu Shi  
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**Full name of additional joint inventor:** Charles Florence

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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**Full name of additional joint inventor:** Kimberly Florence

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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**Full name of additional joint inventor:** David W. Lafleur

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**Full name of additional joint inventor:** Jian Ni

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Residence: 5502 Manorfield Road, Rockville, MD 20853 Citizenship: CN  
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**Full name of additional joint inventor:** Ping Fan

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 335 West Side Drive, Apt. 302, Gaithersburg, MD 20878 Citizenship: CN  
Post Office Address: same as above

**Full name of additional joint inventor:** Ying-Fei Wei

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 242 Gravatt Dr., Berkeley, California 94705 Citizenship: CN  
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**Full name of additional joint inventor:** Carrie L. Fischer

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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Post Office Address: same as above

**Full name of additional joint inventor:** Daniel R. Soppet

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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**Full name of additional joint inventor:** Yi Li

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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Full name of additional joint inventor: Zhizhen Zeng

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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Full name of additional joint inventor: Hla Kyaw

Inventor's signature: [Signature] Date: 6/7/99  
Residence: 520 Sugarbush Circle, Frederick, MD 21703 Citizenship: Burma  
Post Office Address: same as above

Full name of additional joint inventor: Guo-Liang Yu

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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Post Office Address: same as above

Full name of additional joint inventor: Ping Feng

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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Full name of additional joint inventor: Patrick J. Dillon

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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Full name of additional joint inventor: Gregory A. Endress

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Full name of additional joint inventor: Kenneth C. Carter

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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9410 Key West Avenue Rockville, MD 20850  
301-309-8504 Phone 301-309-8439 Fax

## DECLARATION FOR PATENT APPLICATION

As a below named inventor, I declare that I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

### 207 Human Secreted Proteins

the specification of which was filed on **December 4, 1998** as Application Serial No. **Serial No: 09/205,258**.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

Priority Claimed  
Yes                  No

\_\_\_\_\_  
(Number)                      (Country)                      (Day/Month/Year Filed)

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

	Filing Date	Appln No.
1.	06-Jun-1997	60/048,885
2.	06-Jun-1997	60/049,375
3.	06-Jun-1997	60/048,881
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5.	06-Jun-1997	60/048,896
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10.	06-Jun-1997	60/048,894
11.	06-Jun-1997	60/048,971
12.	06-Jun-1997	60/048,964
13.	06-Jun-1997	60/048,882
14.	06-Jun-1997	60/048,899
15.	06-Jun-1997	60/048,893
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17.	06-Jun-1997	60/048,901
18.	06-Jun-1997	60/048,892
19.	06-Jun-1997	60/048,915
20.	06-Jun-1997	60/049,019
21.	06-Jun-1997	60/048,970
22.	06-Jun-1997	60/048,972

23.	06-Jun-1997	60/048,916
24.	06-Jun-1997	60/049,373
25.	06-Jun-1997	60/048,875
26.	06-Jun-1997	60/049,374
27.	06-Jun-1997	60/048,917
28.	06-Jun-1997	60/048,949
29.	06-Jun-1997	60/048,974
30.	06-Jun-1997	60/048,883
31.	06-Jun-1997	60/048,897
32.	06-Jun-1997	60/048,898
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**PCT/US98/11422**

(Application Serial No.)

**04 June 1998**

(Filing Date)

**Pending**

(Status: patented, pending, abandoned)

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**Full name of additional joint inventor:**

Paul Young

**Inventor's signature:**

**Date:**

**Residence:** 122 Beckwith Street, Gaithersburg, MD 20878

**Citizenship:** US

**Post Office Address:** same as above

**Full name of additional joint inventor:**

John M. Greene

**Inventor's signature:**

**Date:**

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**Citizenship:** DE

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**Full name of additional joint inventor:** Ann M. Ferrie  
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**Full name of additional first joint inventor:** Steven M. Ruben  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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Post Office Address: same as above

**Full name of additional joint inventor:** Craig A. Rosen  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 22400 Rolling Hills Road, Laytonsville, MD 20882 Citizenship: US  
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**Full name of additional joint inventor:** Jing-Shan Hu  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 1247 Lakeside Drive #3034, Sunnyvale, CA 94086 Citizenship: CN  
Post Office Address: same as above

**Full name of additional joint inventor:** Henrik S. Olsen  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 182 Kendrick Place #24, Gaithersburg, MD 20878 Citizenship: DK  
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**Full name of additional joint inventor:** Reinhard Ebner  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 9906 Shelburne Terrace #316, Gaithersburg, MD 20878 Citizenship: DE  
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**Full name of additional joint inventor:** Laurie A. Brewer  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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**Full name of additional joint inventor:** Paul A. Moore  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 19005 Leatherbark Drive, Germantown, MD 20874 Citizenship: UK  
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**Full name of additional joint inventor:** Yanggu Shi  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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**Full name of additional joint inventor:** Charles Florence

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**Full name of additional joint inventor:** Kimberly Florence

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**Full name of additional joint inventor:** David W. Lafleur

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**Full name of additional joint inventor:** Jian Ni

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**Full name of additional joint inventor:** Ping Fan

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**Full name of additional joint inventor:** Ying-Fei Wei

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**Full name of additional joint inventor:** Carrie L. Fischer

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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**Full name of additional joint inventor:** Daniel R. Soppet

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**Full name of additional joint inventor:** Yi Li

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Full name of additional joint inventor: Zhizhen Zeng

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Full name of additional joint inventor: Hla Kyaw

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Full name of additional joint inventor: Guo-Liang Yu

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Full name of additional joint inventor: Ping Feng

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Full name of additional joint inventor: Patrick J. Dillon

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Full name of additional joint inventor: Gregory A. Endress

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Full name of additional joint inventor: Kenneth C. Carter

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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301-309-8504 Phone 301-309-8439 Fax

## DECLARATION FOR PATENT APPLICATION

As a below named inventor, I declare that I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

### **207 Human Secreted Proteins**

the specification of which was filed on **December 4, 1998** as Application Serial No. **Serial No: 09/205,258**.

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Prior Foreign Application(s):

Priority Claimed  
Yes No

(Number) (Country) (Day/Month/Year Filed)

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

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68.	05-Sep-1997	60/057,778
69.	05-Sep-1997	60/057,629
70.	05-Sep-1997	60/057,628
71.	05-Sep-1997	60/057,777
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**PCT/US98/11422**

(Application Serial No.)

**04 June 1998**

(Filing Date)

**Pending**

(Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: A. Anders Brookes (Reg. No. 36,373), Kenley K. Hoover (Reg. No. 40,302); James H. Davis (Reg. No. 40,582), Joseph J. Kenny (Reg. No. 43,710) and Michele M. Wales (Reg. No. 43,975) all of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**Full name of additional joint inventor:**

Paul Young

Inventor's signature:

Date:

Residence: 122 Beckwith Street, Gaithersburg, MD 20878

Citizenship: US

Post Office Address: same as above

**Full name of additional joint inventor:**

John M. Greene

Inventor's signature:

Date:

Residence: 872 Diamond Drive, Gaithersburg, MD 20878

Citizenship: DE

Post Office Address: same as above

**Full name of additional joint inventor:** Ann M. Ferrie  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 120 Fox Run Drive, Tewksbury, MA 01876 Citizenship: US  
Post Office Address: same as above

**Full name of additional first joint inventor:** Steven M. Ruben  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 18528 Heritage Hills Drive, Olney, MD 20832 Citizenship: US  
Post Office Address: same as above

**Full name of additional joint inventor:** Craig A. Rosen  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 22400 Rolling Hills Road, Laytonsville, MD 20882 Citizenship: US  
Post Office Address: same as above

**Full name of additional joint inventor:** Jing-Shan Hu  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 1247 Lakeside Drive #3034, Sunnyvale, CA 94086 Citizenship: CN  
Post Office Address: same as above

**Full name of additional joint inventor:** Henrik S. Olsen  
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Residence: 182 Kendrick Place #24, Gaithersburg, MD 20878 Citizenship: DK  
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Residence: 9906 Shelburne Terrace #316, Gaithersburg, MD 20878 Citizenship: DE  
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**Full name of additional joint inventor:** Laurie A. Brewer  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 410 Van Dyke St. Apt. 115 St. Paul, Minnesota 55119-4321 Citizenship: US  
Post Office Address: same as above

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Residence: 19005 Leatherbark Drive, Germantown, MD 20874 Citizenship: UK  
Post Office Address: same as above

**Full name of additional joint inventor:** Yanggu Shi  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 437 West Side Drive, Gaithersburg, MD 20878 Citizenship: CN  
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**Full name of additional joint inventor:** Charles Florence

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 12805 Atlantic Avenue, Rockville, MD 20851 Citizenship: US  
Post Office Address: same as above

**Full name of additional joint inventor:** Kimberly Florence

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 12805 Atlantic Avenue, Rockville, MD 20851 Citizenship: US  
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**Full name of additional joint inventor:** David W. Lafleur

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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**Full name of additional joint inventor:** Jian Ni

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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Post Office Address: same as above

**Full name of additional joint inventor:** Ping Fan

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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**Full name of additional joint inventor:** Ying-Fei Wei

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 242 Gravatt Dr., Berkeley, California 94705 Citizenship: CN  
Post Office Address: same as above

**Full name of additional joint inventor:** Carrie L. Fischer

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 5810 Hall Street, Burke, Virginia 22015 Citizenship: US  
Post Office Address: same as above

**Full name of additional joint inventor:** Daniel R. Soppet

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 15050 Stillfield Place, Centreville, VA 22020 Citizenship: US  
Post Office Address: same as above

**Full name of additional joint inventor:** Yi Li

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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Post Office Address: same as above

Full name of additional joint inventor: Zhizhen Zeng

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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Post Office Address: same as above

Full name of additional joint inventor: Hla Kyaw

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 520 Sugarbush Circle, Frederick, MD 21703 Citizenship: Burma  
Post Office Address: same as above

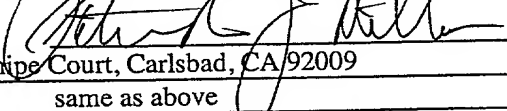
Full name of additional joint inventor: Guo-Liang Yu

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 242 Gravatt Dr., Berkeley, California 94705 Citizenship: CN  
Post Office Address: same as above

Full name of additional joint inventor: Ping Feng

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Post Office Address: same as above

Full name of additional joint inventor: Patrick J. Dillon

Inventor's signature:  \_\_\_\_\_ Date: 06/13/99  
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Post Office Address: same as above

Full name of additional joint inventor: Gregory A. Endress

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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Post Office Address: same as above

Full name of additional joint inventor: Kenneth C. Carter

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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9410 Key West Avenue Rockville, MD 20850  
301-309-8504 Phone 301-309-8439 Fax

## DECLARATION FOR PATENT APPLICATION

As a below named inventor, I declare that I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

### **207 Human Secreted Proteins**

the specification of which was filed on **December 4, 1998** as Application Serial No. **Serial No: 09/205,258**.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

Priority Claimed  
Yes No

(Number) (Country) (Day/Month/Year Filed)

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12.	06-Jun-1997	60/048,964
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15.	06-Jun-1997	60/048,893
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22.	06-Jun-1997	60/048,972

23.	06-Jun-1997	60/048,916
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27.	06-Jun-1997	60/048,917
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Date:

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**Full name of additional joint inventor:** Charles Florence

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**Full name of additional joint inventor:** Kimberly Florence

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**Full name of additional joint inventor:** David W. Lafleur

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**Full name of additional joint inventor:** Jian Ni

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Full name of additional joint inventor: Zhizhen Zeng

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Full name of additional joint inventor: Hla Kyaw

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Full name of additional joint inventor: Guo-Liang Yu

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Full name of additional joint inventor: Patrick J. Dillon

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Full name of additional joint inventor: Gregory A. Endress

Inventor's signature: Gregory A. Endress Date: 6/3/99  
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Full name of additional joint inventor: Kenneth C. Carter

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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**PCT/US98/11422**

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**Pending**

(Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: A. Anders Brookes (Reg. No. 36,373), Kenley K. Hoover (Reg. No. 40,302); James H. Davis (Reg. No. 40,582), Joseph J. Kenny (Reg. No. 43,710) and Michele M. Wales (Reg. No. 43,975) all of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**Full name of additional joint inventor:**

Paul Young

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: 122 Beckwith Street, Gaithersburg, MD 20878

Citizenship: US

Post Office Address: same as above

**Full name of additional joint inventor:**

John M. Greene

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: 872 Diamond Drive, Gaithersburg, MD 20878

Citizenship: DE

Post Office Address: same as above

**Full name of additional joint inventor:** Ann M. Ferrie  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 120 Fox Run Drive, Tewksbury, MA 01876 Citizenship: US  
Post Office Address: same as above

**Full name of additional first joint inventor:** Steven M. Ruben  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 18528 Heritage Hills Drive, Olney, MD 20832 Citizenship: US  
Post Office Address: same as above

**Full name of additional joint inventor:** Craig A. Rosen  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 22400 Rolling Hills Road, Laytonsville, MD 20882 Citizenship: US  
Post Office Address: same as above

**Full name of additional joint inventor:** Jing-Shan Hu  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 1247 Lakeside Drive #3034, Sunnyvale, CA 94086 Citizenship: CN  
Post Office Address: same as above

**Full name of additional joint inventor:** Henrik S. Olsen  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 182 Kendrick Place #24, Gaithersburg, MD 20878 Citizenship: DK  
Post Office Address: same as above

**Full name of additional joint inventor:** Reinhard Ebner  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 9906 Shelburne Terrace #316, Gaithersburg, MD 20878 Citizenship: DE  
Post Office Address: same as above

**Full name of additional joint inventor:** Laurie A. Brewer  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 410 Van Dyke St. Apt. 115 St. Paul, Minnesota 55119-4321 Citizenship: US  
Post Office Address: same as above

**Full name of additional joint inventor:** Paul A. Moore  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 19005 Leatherbark Drive, Germantown, MD 20874 Citizenship: UK  
Post Office Address: same as above

**Full name of additional joint inventor:** Yanggu Shi  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 437 West Side Drive, Gaithersburg, MD 20878 Citizenship: CN  
Post Office Address: same as above

Full name of additional joint inventor: Charles Florence

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 12805 Atlantic Avenue, Rockville, MD 20851 Citizenship: US  
Post Office Address: same as above

Full name of additional joint inventor: Kimberly Florence

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 12805 Atlantic Avenue, Rockville, MD 20851 Citizenship: US  
Post Office Address: same as above

Full name of additional joint inventor: David W. Lafleur

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 3142 Quesada St. NW Washington DC 20015 Citizenship: DE  
Post Office Address: same as above

Full name of additional joint inventor: Jian Ni

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 5502 Manorfield Road, Rockville, MD 20853 Citizenship: CN  
Post Office Address: same as above

Full name of additional joint inventor: Ping Fan

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 335 West Side Drive, Apt. 302, Gaithersburg, MD 20878 Citizenship: CN  
Post Office Address: same as above

Full name of additional joint inventor: Ying-Fei Wei

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 242 Gravatt Dr., Berkeley, California 94705 Citizenship: CN  
Post Office Address: same as above

Full name of additional joint inventor: Carrie L. Fischer

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 5810 Hall Street, Burke, Virginia 22015 Citizenship: US  
Post Office Address: same as above

Full name of additional joint inventor: Daniel R. Soppet

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 15050 Stillfield Place, Centreville, VA 22020 Citizenship: US  
Post Office Address: same as above

Full name of additional joint inventor: Yi Li

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 1247 Lakeside Drive, #3034, Sunnyvale, CA 94086 Citizenship: CN  
Post Office Address: same as above

Full name of additional joint inventor: Zhizhen Zeng

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 13950 Saddleview Drive, Gaithersburg, MD 20878 Citizenship: CN  
Post Office Address: same as above

Full name of additional joint inventor: Hla Kyaw

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 520 Sugarbush Circle, Frederick, MD 21703 Citizenship: Burma  
Post Office Address: same as above

Full name of additional joint inventor: Guo-Liang Yu

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 242 Gravatt Dr., Berkeley, California 94705 Citizenship: CN  
Post Office Address: same as above

Full name of additional joint inventor: Ping Feng

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 4 Relda Court, Gaithersburg, MD 20878 Citizenship: US  
Post Office Address: same as above


Full name of additional joint inventor: Patrick J. Dillon

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 1055 Snipe Court, Carlsbad, CA 92009 Citizenship: US  
Post Office Address: same as above

Full name of additional joint inventor: Gregory A. Endress

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 9729 Clagett Farm Drive, Potomac, MD 20854 Citizenship: US  
Post Office Address: same as above

Full name of additional joint inventor: Kenneth C. Carter

Inventor's signature:  Date: 6/5/99  
Residence: 11601 Brandy Hall Lane, North Potomac, MD 20878 Citizenship: US  
Post Office Address: same as above

Human Genome Sciences, Inc.  
9410 Key West Avenue Rockville, MD 20850  
301-309-8504 Phone 301-309-8439 Fax

# **DECLARATION FOR PATENT APPLICATION**

As a below named inventor, I declare that I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

## **207 Human Secreted Proteins**

the specification of which was filed on **December 4, 1998** as Application Serial No. **Serial No: 09/205,258**.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

Priority Claimed  
Yes No

(Number) (Country) (Day/Month/Year Filed)

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

	Filing Date	Appln No.
1.	06-Jun-1997	60/048,885
2.	06-Jun-1997	60/049,375
3.	06-Jun-1997	60/048,881
4.	06-Jun-1997	60/048,880
5.	06-Jun-1997	60/048,896
6.	06-Jun-1997	60/049,020
7.	06-Jun-1997	60/048,876
8.	06-Jun-1997	60/048,895
9.	06-Jun-1997	60/048,884
10.	06-Jun-1997	60/048,894
11.	06-Jun-1997	60/048,971
12.	06-Jun-1997	60/048,964
13.	06-Jun-1997	60/048,882
14.	06-Jun-1997	60/048,899
15.	06-Jun-1997	60/048,893
16.	06-Jun-1997	60/048,900
17.	06-Jun-1997	60/048,901
18.	06-Jun-1997	60/048,892
19.	06-Jun-1997	60/048,915
20.	06-Jun-1997	60/049,019
21.	06-Jun-1997	60/048,970
22.	06-Jun-1997	60/048,972

23.	06-Jun-1997	60/048,916
24.	06-Jun-1997	60/049,373
25.	06-Jun-1997	60/048,875
26.	06-Jun-1997	60/049,374
27.	06-Jun-1997	60/048,917
28.	06-Jun-1997	60/048,949
29.	06-Jun-1997	60/048,974
30.	06-Jun-1997	60/048,883
31.	06-Jun-1997	60/048,897
32.	06-Jun-1997	60/048,898
33.	06-Jun-1997	60/048,962
34.	06-Jun-1997	60/048,963
35.	06-Jun-1997	60/048,877
36.	06-Jun-1997	60/048,878
37.	05-Sep-1997	60/057,645
38.	05-Sep-1997	60/057,642
39.	05-Sep-1997	60/057,668
40.	05-Sep-1997	60/057,635
41.	05-Sep-1997	60/057,627
42.	05-Sep-1997	60/057,667
43.	05-Sep-1997	60/057,666
44.	05-Sep-1997	60/057,764
45.	05-Sep-1997	60/057,643

46.	05-Sep-1997	60/057,769
47.	05-Sep-1997	60/057,763
48.	05-Sep-1997	60/057,650
49.	05-Sep-1997	60/057,584
50.	05-Sep-1997	60/057,647
51.	05-Sep-1997	60/057,661
52.	05-Sep-1997	60/057,662
53.	05-Sep-1997	60/057,646
54.	05-Sep-1997	60/057,654
55.	05-Sep-1997	60/057,651
56.	05-Sep-1997	60/057,644
57.	05-Sep-1997	60/057,765
58.	05-Sep-1997	60/057,762
59.	05-Sep-1997	60/057,775
60.	05-Sep-1997	60/057,648

61.	05-Sep-1997	60/057,774
62.	05-Sep-1997	60/057,649
63.	05-Sep-1997	60/057,770
64.	05-Sep-1997	60/057,771
65.	05-Sep-1997	60/057,761
66.	05-Sep-1997	60/057,760
67.	05-Sep-1997	60/057,776
68.	05-Sep-1997	60/057,778
69.	05-Sep-1997	60/057,629
70.	05-Sep-1997	60/057,628
71.	05-Sep-1997	60/057,777
72.	05-Sep-1997	60/057,634
73.	18-Dec-1997	60/070,923
74.	15-Jul-1998	60/092,921
75.	30-Jul-1998	60/094,657

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

PCT/US98/11422  
(Application Serial No.)

04 June 1998  
(Filing Date)

Pending  
(Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: A. Anders Brookes (Reg. No. 36,373), Kenley K. Hoover (Reg. No. 40,302); James H. Davis (Reg. No. 40,582), Joseph J. Kenny (Reg. No. 43,710) and Michele M. Wales (Reg. No. 43,975) all of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of additional joint inventor: Paul Young

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 122 Beckwith Street, Gaithersburg, MD 20878 Citizenship: US  
Post Office Address: same as above

Full name of additional joint inventor: John M. Greene

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 872 Diamond Drive, Gaithersburg, MD 20878 Citizenship: DE  
Post Office Address: same as above



Ref No: PZ007P1  
Serial No: 09/205,258

Full name of additional joint inventor: Ann M. Ferrie  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 120 Fox Run Drive, Tewksbury, MA 01876 Citizenship: US  
Post Office Address: same as above

Full name of additional first joint inventor: Steven M. Ruben  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 18528 Heritage Hills Drive, Olney, MD 20832 Citizenship: US  
Post Office Address: same as above

Full name of additional joint inventor: Craig A. Rosen  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 22400 Rolling Hills Road, Laytonsville, MD 20882 Citizenship: US  
Post Office Address: same as above

Full name of additional joint inventor: Jing-Shan Hu  
Inventor's signature: \_\_\_\_\_ Date: 9/2/99  
Residence: 1247 Lakeside Drive #3034, Sunnyvale, CA 94086 Citizenship: CN  
Post Office Address: same as above

Full name of additional joint inventor: Henrik S. Olsen  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 182 Kendrick Place #24, Gaithersburg, MD 20878 Citizenship: DK  
Post Office Address: same as above

Full name of additional joint inventor: Reinhard Ebner  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 9906 Shelburne Terrace #316, Gaithersburg, MD 20878 Citizenship: DE  
Post Office Address: same as above

Full name of additional joint inventor: Laurie A. Brewer  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 410 Van Dyke St. Apt. 115 St. Paul, Minnesota 55119-4321 Citizenship: US  
Post Office Address: same as above

Full name of additional joint inventor: Paul A. Moore  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 19005 Leatherbark Drive, Germantown, MD 20874 Citizenship: UK  
Post Office Address: same as above

Full name of additional joint inventor: Yanggu Shi  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 437 West Side Drive, Gaithersburg, MD 20878 Citizenship: CN  
Post Office Address: same as above

Full name of additional joint inventor: Charles Florence

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 12805 Atlantic Avenue, Rockville, MD 20851 Citizenship: US  
Post Office Address: same as above

Full name of additional joint inventor: Kimberly Florence

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 12805 Atlantic Avenue, Rockville, MD 20851 Citizenship: US  
Post Office Address: same as above

Full name of additional joint inventor: David W. Lafleur

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 3142 Quesada St. NW Washington DC 20015 Citizenship: DE  
Post Office Address: same as above

Full name of additional joint inventor: Jian Ni

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 5502 Manorfield Road, Rockville, MD 20853 Citizenship: CN  
Post Office Address: same as above

Full name of additional joint inventor: Ping Fan

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 335 West Side Drive, Apt. 302, Gaithersburg, MD 20878 Citizenship: CN  
Post Office Address: same as above

Full name of additional joint inventor: Ying-Fei Wei

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 242 Gravatt Dr., Berkeley, California 94705 Citizenship: CN  
Post Office Address: same as above

Full name of additional joint inventor: Carrie L. Fischer

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 5810 Hall Street, Burke, Virginia 22015 Citizenship: US  
Post Office Address: same as above

Full name of additional joint inventor: Daniel R. Soppet

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 15050 Stillfield Place, Centreville, VA 22020 Citizenship: US  
Post Office Address: same as above

Full name of additional joint inventor: Yi Li

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 1247 Lakeside Drive, #3034, Sunnyvale, CA 94086 Citizenship: CN  
Post Office Address: same as above

Full name of additional joint inventor: Zhizhen Zeng

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 13950 Saddleview Drive, Gaithersburg, MD 20878 Citizenship: CN  
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Full name of additional joint inventor: Hla Kyaw

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 520 Sugarbush Circle, Frederick, MD 21703 Citizenship: Burma  
Post Office Address: same as above

Full name of additional joint inventor: Guo-Liang Yu

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 242 Gravatt Dr., Berkeley, California 94705 Citizenship: CN  
Post Office Address: same as above

Full name of additional joint inventor: Ping Feng

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 4 Relda Court, Gaithersburg, MD 20878 Citizenship: US  
Post Office Address: same as above

Full name of additional joint inventor: Patrick J. Dillon

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 1055 Snipe Court, Carlsbad, CA 92009 Citizenship: US  
Post Office Address: same as above

Full name of additional joint inventor: Gregory A. Endress

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 9729 Clagett Farm Drive, Potomac, MD 20854 Citizenship: US  
Post Office Address: same as above

Full name of additional joint inventor: Kenneth C. Carter

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 11601 Brandy Hall Lane, North Potomac, MD 20878 Citizenship: US  
Post Office Address: same as above

Human Genome Sciences, Inc.  
9410 Key West Avenue Rockville, MD 20850  
301-309-8504 Phone 301-309-8439 Fax



P7007P1  
UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

SEPTEMBER 21, 2000

PTAS

HUMAN GENOME SCIENCES, INC.  
KENLEY K. HOOVER  
9410 KEY WEST AVENUE  
ROCKVILLE, MARYLAND 20850



\*101457593A\*

244 SA

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/11/2000

REEL/FRAME: 010966/0559

NUMBER OF PAGES: 43

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

YOUNG, PAUL

DOC DATE: 06/03/1999

ASSIGNOR:

GREENE, JOHN M.

DOC DATE: 06/03/1999

ASSIGNOR:

FERRIE, ANN M.

DOC DATE: 06/10/1999

ASSIGNOR:

RUBEN, STEVEN M.

DOC DATE: 05/11/1999

ASSIGNOR:

ROSEN, CRAIG A.

DOC DATE: 05/10/1999

ASSIGNOR:

HU, JING-SHAN

DOC DATE: 09/01/1999

ASSIGNOR:

OLSEN, HENRIK S.

DOC DATE: 05/10/1999

ASSIGNOR:  
EBNER, REINHARD

DOC DATE: 05/10/1999

ASSIGNOR:  
BREWER, LAURIE A.

DOC DATE: 06/10/1999

ASSIGNOR:  
MOORE, PAUL A.

DOC DATE: 05/13/1999

ASSIGNOR:  
SHI, YANGGU

DOC DATE: 05/14/1999

ASSIGNOR:  
FLORENCE, CHARLES

DOC DATE: 05/17/1999

ASSIGNOR:  
FLORENCE, KIMBERLY

DOC DATE: 05/13/1999

ASSIGNOR:  
LAFLEUR, DAVID W.

DOC DATE: 05/13/1999

ASSIGNOR:  
NI, JIAN

DOC DATE: 05/12/1999

ASSIGNOR:  
FAN, PING

DOC DATE: 06/11/1999

ASSIGNOR:  
WEI, YING-FEI

DOC DATE: 07/20/1999

ASSIGNOR:  
FISCHER, CARRIE L.

DOC DATE: 05/10/1999

ASSIGNOR:  
SOPPET, DANIEL R.

DOC DATE: 05/11/1999

ASSIGNOR:  
LI, YI

DOC DATE: 06/28/1999

ASSIGNOR:  
ZENG, ZHIZHEN

DOC DATE: 06/11/1999

ASSIGNOR:  
KYAW, HLA

DOC DATE: 05/11/1999

ASSIGNOR:  
YU, GUO-LIANG

DOC DATE: 07/23/1999

ASSIGNOR:  
FENG, PING

DOC DATE: 06/07/1999

ASSIGNOR:  
DILLON, PATRICK J.

DOC DATE: 05/11/1999

ASSIGNOR:  
ENDRESS, GREGORY A.

DOC DATE: 05/11/1999

ASSIGNOR:  
CARTER, KENNETH C.

DOC DATE: 05/11/1999

ASSIGNEE:  
HUMAN GENOME SCIENCES, INC.  
9410 KEY WEST AVENUE  
ROCKVILLE, MARYLAND 20850

SERIAL NUMBER: 09205258  
PATENT NUMBER:

FILING DATE: 12/04/1998  
ISSUE DATE:

MARCUS KIRK, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231



\*101457593B\*

AUTHORIZATION TO CHARGE ADDITIONAL FEES TO DEPOSIT ACCOUNT

SEPTEMBER 21, 2000

TO: OFFICE OF FINANCE  
FROM: ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS  
SUBJECT: DEPOSIT ACCOUNT CHARGE(S)

CHARGE THE DEPOSIT ACCOUNT LISTED BELOW ADDITIONAL FEE(S) AS INDICATED  
BELOW. AUTHORIZATION TO CHARGE ADDITIONAL FEES HAS BEEN PROVIDED PER  
THE ATTACHED COVER SHEET, OR BY DIRECT CONTACT WITH THE CUSTOMER. .

DEPOSIT ACCOUNT NUMBER: 083425

PROPERTY NUMBER: 09205258

RECORDING FEES:

FEE CODE: 581 AMOUNT: 40

IF YOU HAVE ANY QUESTIONS REGARDING THIS NOTICE, YOU MAY CONTACT  
THE INDIVIDUAL WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.

MARCUS KIRK, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

TRADEMARK SERVICE FEES:

FEE CODE:

RECORDING FIRST MARK	481
RECORDATION SECOND AND SUBSEQUENT MARK IN SAME DOCUMENT	482
LABOR CHARGES FOR SERVICES PER HOURS OR FRACTION THEREOF	484
UNSPECIFIED OTHER SERVICES	485

PATENT SERVICE FEES:

RECORDING EACH PATENT ASSIGNMENT,	581
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AGREEMENT, OTHER PAPER, PER PROPERTY	
LABOR CHARGES FOR SERVICES PER HOUR	584
(\$30) OR FRACTION THEREOF	
UNSPECIFIED OTHER SERVICES	585



09-21-2000

BOX ASSIGNMENTS  
Case Docket No. PZ007P1



DEPARTMENT OF COMMERCE  
Patent and Trademark Office

101457593

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

To the Honorable Commissioner of Patents and Trademarks.  
Please record the attached original documents or copy thereof.

**1. Name of conveying party(ies):**

- Paul Young Executed on Jun-03-99  
 - John M. Greene Executed on Jun-03-99  
 - Ann M. Ferrie Executed on Jun-10-99  
 - Steven M. Rüben Executed on May-11-99  
 - Craig A. Rosen Executed on May-10-99  
 - Jing-Shan Hu Executed on Sep-01-99  
 - Henrik S. Olsen Executed on May-10-99  
 - Reinhard Ebner Executed on May-10-99  
 - Laurie A. Brewer Executed on Jun-10-99  
 - Paul A. Moore Executed on May-13-99  
 - Yanggu Shi Executed on May-14-99  
 - Charles Florence Executed on May-17-99

**Additional name(s) of conveying party(ies) attached?**

Yes ☐ No ☒

**Nature of conveyance**

☒ Assignment

☐ Security Agreement

**Name**

☐ Other \_\_\_\_\_

4-11-00

- Kimberly Florence Executed on May-13-99  
 - David W. Lafleur Executed on May-13-99  
 - Jian Ni Executed on May-12-99  
 - Ping Fan Executed on Jun-11-99  
 - Ying-Fei Wei Executed on Jul-20-99  
 - Carrie L. Fischer Executed on May-10-99  
 - Daniel R. Soppet Executed on May-11-99  
 - Yi Li Executed on Jun-28-99  
 - Zhizhen Zeng Executed on Jun-11-99  
 - Hla Kyaw Executed on May-11-99  
 - Guo-Liang Yu Executed on Jul-23-99  
 - Ping Feng Executed on Jun-07-99  
 - Patrick J. Dillon Executed on May-11-99  
 - Gregory A. Endress Executed on May-11-99  
 - Kenneth C. Carter Executed on May-11-99

**2. Name and address of receiving party(ies):**

Name: Human Genome Sciences, Inc.  
 Street Address 9410 Key West Avenue  
 City Rockville, Maryland 20850

**Additional name(s) attached?**

Yes ☐ No ☒

**4. Title 207 Human Secreted Proteins**

**5. Application number (s) or patent numbers (s)**

**A. Patent Application No. (s)**

09/205,258 Filed: Dec-04-98

If this document is being filed together with a new application, the execution date of the application is:

**B. Patent No.**

**Additional numbers attached?**

Yes ☐ No ☒

**6. Name and address of party to whom correspondence concerning documents should be mailed:**

Human Genome Sciences, Inc.  
 9410 Key West Avenue  
 Rockville, Maryland 20850  
 Telephone: 301-309-8504 Facsimile: 301-309-8439

40E

**7. Total of applications and patents involved** ☒ 1

**8. Total Fee (37 CFR 3.41) \$40.00**

☐ Enclosed (By check in total of filing fee and Assignment Recordation Fee

☒ Authorized to be charged to Deposit Account

NOSPCC

Fee

**9. Deposit Account No. 08-3425 (Attached duplicated copy of this page if paying by deposit account)**

**10. If any additional fees due in connection with the recordation of this Assignment, please charge the same to Deposit No. 08-3425**

**11. Statement and Signature**

The best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Kenley K. Hoover  
 Name of Person Signing  
 Registration No. 40,302

Signature

Date

April 11 2000

Ref No: PZ007P1  
Serial No. 09/205,258

## ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, each of the undersigned, Paul Young; John M. Greene; Ann M. Ferrie; Steven M. Ruben; Craig A. Rosen; Jing-Shan Hu; Henrik S. Olsen; Reinhard Ebner; Laurie A. Brewer; Paul A. Moore; Yanggu Shi; Charles Florence; Kimberly Florence; David W. Lafleur; Jian Ni; Ping Fan; Ying-Fei Wei; Carrie L. Fischer; Daniel R. Soppet; Yi Li; Zhizhen Zeng; Hla Kyaw; Guo-Liang Yu; Ping Feng; Patrick J. Dillon; Gregory A. Endress; and Kenneth C. Carter, hereby sell(s), assign(s) and transfer(s) to Human Genome Sciences, Inc. ("Assignee") having a place of business at 9410 Key West Avenue, Rockville, MD 20850, its successors, assigns and legal representatives, his entire right, title and interest for the United States and all other countries, in and to the improvements(s) known as:

## 207 Human Secreted Proteins

for which application for United States Letters Patent was filed on December 4, 1998 and assigned Serial No.09/205,258, and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all other countries on any of said improvements, and in and to all original and reissued patents which have been or shall be issued in the United States and all other countries on said improvements (hereinafter collectively, the "Patent Rights").

The undersigned further agrees that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and, when requested, without charge to but at the expense of Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on all such improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives all facts known to the undersigned relating to said improvements and the history thereof; and do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patent and all patents on said improvements in Assignee, its successors, assigns and representatives.

The undersigned hereby represents and warrants to Assignee, its successors, assigns and representatives that no assignment, grant, mortgage, license or other right or agreement affecting the rights and property herein conveyed has been made to others by the undersigned and that full right to convey the same as expressed herein is possessed by the undersigned.

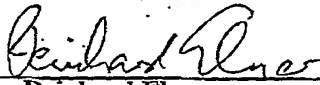
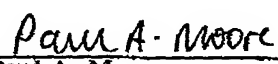
The undersigned hereby grants the power to A. Anders Brookes (Reg. No. 36,373), Kenley K. Hoover (Reg. No. 40,302); James H. Davis (Reg. No. 40,582), Joseph J. Kenny (Reg. No. 43,710) and Michele M. Wales (Reg. No. 43,975) all of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850 to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, this Assignment is executed by the undersigned on the date(s) opposite their signature(s):

Inventor's Signature: Paul Young Date: 6/3/99

Inventor's Signature: John M. Greene Date: \_\_\_\_\_

Inventor's Signature: Ann M. Ferrie Date: \_\_\_\_\_

Ref No: P2007P1  
Serial No. 09/205,258Inventor's Signature:  Date: 5/11/99  
Steven M. RubenInventor's Signature:  Date: 5/10/99  
Craig A. RosenInventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Jing-Shan HuInventor's Signature:  Date: 5/10/99  
Henrik S. OlsenInventor's Signature:  Date: 5/10/99  
Reinhard EbnerInventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Laurie A. BrewerInventor's Signature:  Date: 5/13/99  
Paul A. MooreInventor's Signature:  Date: 5/14/99  
Yanggu ShiInventor's Signature:  Date: 5/17/99  
Charles FlorenceInventor's Signature:  Date: 5/13/99  
Kimberly FlorenceInventor's Signature:  Date: 5/13/99  
David W. LafleurInventor's Signature:  Date: 5/12/99  
Jian NiInventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Ping FanInventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Ying-Fei WeiInventor's Signature:  Date: 05/10/99  
Carrie L. Fischer

Ref No: PZ007P1  
Serial No. 09/205,258

Inventor's Signature: *Daniel R. Soppet* Date: 5/11/99  
Daniel R. Soppet

Inventor's Signature: Yi Li Date: \_\_\_\_\_

Inventor's Signature: Zhizhen Zeng Date: \_\_\_\_\_

Inventor's Signature: Hla Kyaw Date: \_\_\_\_\_

Inventor's Signature: Guo-Liang Yu Date: \_\_\_\_\_

Inventor's Signature: *Ping Feng* Date: 5/24/99  
Ping Feng

Inventor's Signature: Patrick J. Dillon Date: \_\_\_\_\_

Inventor's Signature: Gregory A. Endress Date: \_\_\_\_\_

Inventor's Signature: Kenneth C. Carter Date: \_\_\_\_\_

Human Genome Sciences, Inc.  
9410 Key West Avenue, Rockville, Maryland, 20850  
Tel: 301-309-8504 Fax: 301-309-8439

Ref No: PZ007P1  
Serial No. 09/205,258

### ASSIGNMENT

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#### 207 Human Secreted Proteins

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IN WITNESS WHEREOF, this Assignment is executed by the undersigned on the date(s) opposite their signature(s):

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Paul Young

Inventor's Signature: John M. Greene Date: JUNE 3, 1999  
John M. Greene

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Ann M. Ferrie

Ref No: PZ007P1  
Serial No. 09/205,258

Inventor's Signature: Steven M. Ruben Date: \_\_\_\_\_

Inventor's Signature: Craig A. Rosen Date: \_\_\_\_\_

Inventor's Signature: Jing-Shan Hu Date: \_\_\_\_\_

Inventor's Signature: Henrik S. Olsen Date: \_\_\_\_\_

Inventor's Signature: Reinhard Ebner Date: \_\_\_\_\_

Inventor's Signature: Laurie A. Brewer Date: \_\_\_\_\_

Inventor's Signature: Paul A. Moore Date: \_\_\_\_\_

Inventor's Signature: Yanggu Shi Date: \_\_\_\_\_

Inventor's Signature: Charles Florence Date: \_\_\_\_\_

Inventor's Signature: Kimberly Florence Date: \_\_\_\_\_

Inventor's Signature: David W. Lafleur Date: \_\_\_\_\_

Inventor's Signature: Jian Ni Date: \_\_\_\_\_

Inventor's Signature: Ping Fan Date: \_\_\_\_\_

Inventor's Signature: Ying-Fei Wei Date: \_\_\_\_\_

Inventor's Signature: Carrie L. Fischer Date: \_\_\_\_\_

Ref No: PZ007P1  
Serial No. 09/205,258

Inventor's Signature: Daniel R. Soppet Date: \_\_\_\_\_

Inventor's Signature: Yi Li Date: \_\_\_\_\_

Inventor's Signature: Zhizhen Zeng Date: \_\_\_\_\_

Inventor's Signature: Hla Kyaw Date: \_\_\_\_\_

Inventor's Signature: Gao-Liang Yu Date: \_\_\_\_\_

Inventor's Signature: Ping Feng Date: \_\_\_\_\_

Inventor's Signature: Patrick J. Dillon Date: \_\_\_\_\_

Inventor's Signature: Gregory A. Endress Date: \_\_\_\_\_

Inventor's Signature: Kenneth C. Carter. Date: \_\_\_\_\_

Human Genome Sciences, Inc.  
9410 Key West Avenue, Rockville, Maryland, 20850  
Tel: 301-309-8504 Fax: 301-309-8439

Ref No: PZ007P1  
Serial No. 09/205,258

### ASSIGNMENT

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#### 207 Human Secreted Proteins

for which application for United States Letters Patent was filed on December 4, 1998 and assigned Serial No.09/205,258, and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all other countries on any of said improvements, and in and to all original and reissued patents which have been or shall be issued in the United States and all other countries on said improvements (hereinafter collectively, the "Patent Rights").

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IN WITNESS WHEREOF, this Assignment is executed by the undersigned on the date(s) opposite their signature(s):

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Paul Young

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
John M. Greene

Inventor's Signature:  \_\_\_\_\_ Date: 6/10/99  
Ann M. Ferrie



Ref No: PZ007P1  
Serial No. 09/205,258

Inventor's Signature: Steven M. Ruben Date: \_\_\_\_\_

Inventor's Signature: Craig A. Rosen Date: \_\_\_\_\_

Inventor's Signature: Jing-Shan Hu Date: \_\_\_\_\_

Inventor's Signature: Henrik S. Olsen Date: \_\_\_\_\_

Inventor's Signature: Reinhard Ebner Date: \_\_\_\_\_

Inventor's Signature: Laurie A. Brewer Date: \_\_\_\_\_

Inventor's Signature: Paul A. Moore Date: \_\_\_\_\_

Inventor's Signature: Yanggu Shi Date: \_\_\_\_\_

Inventor's Signature: Charles Florence Date: \_\_\_\_\_

Inventor's Signature: Kimberly Florence Date: \_\_\_\_\_

Inventor's Signature: David W. Laffleur Date: \_\_\_\_\_

Inventor's Signature: Jian Ni Date: \_\_\_\_\_

Inventor's Signature: Ping Fan Date: \_\_\_\_\_

Inventor's Signature: Ying-Fei Wei Date: \_\_\_\_\_

Inventor's Signature: Carrie L. Fischer Date: \_\_\_\_\_

Ref No: PZ007P1  
Serial No. 09/205,258

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Daniel R. Soppet

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Yi Li

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Zhizhen Zeng

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Hla Kyaw

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Guo-Liang Yu

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Ping Feng

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Patrick J. Dillon

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Gregory A. Endress

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Kenneth C. Carter.

Human Genome Sciences, Inc.  
9410 Key West Avenue, Rockville, Maryland, 20850  
Tel: 301-309-8504 Fax: 301-309-8439

Ref No: PZ007P1  
Serial No. 09/205,258

## ASSIGNMENT

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## 207 Human Secreted Proteins

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IN WITNESS WHEREOF, this Assignment is executed by the undersigned on the date(s) opposite their signature(s):

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Paul Young

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
John M. Greene

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Ann M. Ferrie

Ref No: PZ007P1  
Serial No. 09/205 258

Inventor's Signature: Steven M. Ruben Date: \_\_\_\_\_

Inventor's Signature: Craig A. Rosen Date: \_\_\_\_\_

Inventor's Signature: Jing-Shan Hu Date: 9/1/99

Inventor's Signature: Henrik S. Olsen Date: \_\_\_\_\_

Inventor's Signature: Reinhard Ebner Date: \_\_\_\_\_

Inventor's Signature: Laurie A. Brewer Date: \_\_\_\_\_

Inventor's Signature: Paul A. Moore Date: \_\_\_\_\_

Inventor's Signature: Yanggu Shi Date: \_\_\_\_\_

Inventor's Signature: Charles Florence Date: \_\_\_\_\_

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Inventor's Signature: Jian Ni Date: \_\_\_\_\_

Inventor's Signature: Ping Fan Date: \_\_\_\_\_

Inventor's Signature: Ying-Fei Wei Date: \_\_\_\_\_

Inventor's Signature: Carrie L. Fischer Date: \_\_\_\_\_

Ref No: PZ007P1  
Serial No. 09/205,258

Inventor's Signature: Daniel R. Soppet Date: \_\_\_\_\_

Inventor's Signature: Yi Li Date: \_\_\_\_\_

Inventor's Signature: Zhizhen Zeng Date: \_\_\_\_\_

Inventor's Signature: Hla Kyaw Date: \_\_\_\_\_

Inventor's Signature: Guo-Liang Yu Date: \_\_\_\_\_

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Inventor's Signature: Gregory A. Endress Date: \_\_\_\_\_

Inventor's Signature: Kenneth C. Carter. Date: \_\_\_\_\_

Human Genome Sciences, Inc.  
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Tel: 301-309-8504 Fax: 301-309-8439

Ref No: PZ007P1  
Serial No. 09/205,258

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#### 207 Human Secreted Proteins

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John M. Greene

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Ann M. Ferrie

Ref No: PZ007P1  
Serial No: 09/205,258Inventor's Signature: Steven M. Ruben Date: \_\_\_\_\_Inventor's Signature: Craig A. Rosen Date: \_\_\_\_\_Inventor's Signature: Jing-Shan Hu Date: \_\_\_\_\_Inventor's Signature: Henrik S. Olsen Date: \_\_\_\_\_Inventor's Signature: Reinhard Ebner Date: \_\_\_\_\_Inventor's Signature: Laurie A. Brewer Date: 12/10/99  
Laurie A. BrewerInventor's Signature: Paul A. Moore Date: \_\_\_\_\_Inventor's Signature: Yanggu Shi Date: \_\_\_\_\_Inventor's Signature: Charles Florence Date: \_\_\_\_\_Inventor's Signature: Kimberly Florence Date: \_\_\_\_\_Inventor's Signature: David W. Lafleur Date: \_\_\_\_\_Inventor's Signature: Jian Ni Date: \_\_\_\_\_Inventor's Signature: Ping Fan Date: \_\_\_\_\_Inventor's Signature: Ying-Fei Wei Date: \_\_\_\_\_Inventor's Signature: Carrie L. Fischer Date: \_\_\_\_\_

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Serial No. 09/205,258

Inventor's Signature: Daniel R. Soppet Date: \_\_\_\_\_

Inventor's Signature: Yi Li Date: \_\_\_\_\_

Inventor's Signature: Zhizhen Zeng Date: \_\_\_\_\_

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Inventor's Signature: Patrick J. Dillon Date: \_\_\_\_\_

Inventor's Signature: Gregory A. Endress Date: \_\_\_\_\_

Inventor's Signature: Kenneth C. Carter. Date: \_\_\_\_\_

Human Genome Sciences, Inc.  
9410 Key West Avenue, Rockville, Maryland, 20850  
Tel: 301-309-8504 Fax: 301-309-8439



Ref No: PZ007P1  
Serial No. 09/205,258

### ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, each of the undersigned, Paul Young; John M. Greene; Ann M. Ferrie; Steven M. Ruben; Craig A. Rosen; Jing-Shan Hu; Henrik S. Olsen; Reinhard Ebner; Laurie A. Brewer; Paul A. Moore; Yanggu Shi; Charles Florence; Kimberly Florence; David W. Lafleur; Jian Ni; Ping Fan; Ying-Fei Wei; Carrie L. Fischer; Daniel R. Soppet; Yi Li; Zhizhen Zeng; Hla Kyaw; Guo-Liang Yu; Ping Feng; Patrick J. Dillon; Gregory A. Endress; and Kenneth C. Carter, hereby sell(s), assign(s) and transfer(s) to Human Genome Sciences, Inc. ("Assignee") having a place of business at 9410 Key West Avenue, Rockville, MD 20850, its successors, assigns and legal representatives, his entire right, title and interest for the United States and all other countries, in and to the improvements(s) known as:

#### 207 Human Secreted Proteins

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IN WITNESS WHEREOF, this Assignment is executed by the undersigned on the date(s) opposite their signature(s):

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Paul Young

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
John M. Greene

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Ann M. Ferrie

Ref No: P2007P1  
Serial No. 09/205,258Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Steven M. RubenInventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Craig A. RosenInventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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Paul A. MooreInventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Yanggu ShiInventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Charles FlorenceInventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Kimberly FlorenceInventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
David W. LafleurInventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Jian NiInventor's Signature:  Date: June 11 1999  
Ping FanInventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Ying-Fei WeiInventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Carrie L. Fischer

Ref No: PZ007P1  
Serial No. 09/205,258

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#### 207 Human Secreted Proteins

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John M. Greene

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Ann M. Ferrie

Ref No: P2007P1  
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Inventor's Signature: Kimberly Florence Date: \_\_\_\_\_

Inventor's Signature: David W. Lafleur Date: \_\_\_\_\_

Inventor's Signature: Jian Ni Date: \_\_\_\_\_

Inventor's Signature: Ping Fan Date: \_\_\_\_\_

Inventor's Signature: Ying-Fei Wei Date: 7/20/99

Inventor's Signature: Carrie L. Fischer Date: \_\_\_\_\_

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Inventor's Signature: Yi Li Date: \_\_\_\_\_

Inventor's Signature: Zhizhen Zeng Date: \_\_\_\_\_

Inventor's Signature: Hla Kyaw Date: \_\_\_\_\_

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Human Genome Sciences, Inc.  
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#### 207 Human Secreted Proteins

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Serial No. 09/205,258

Inventor's Signature: Daniel R. Soppet Date: \_\_\_\_\_

Inventor's Signature: Yi Li Date: 6/28/99

Inventor's Signature: Zhaizhen Zeng Date: \_\_\_\_\_

Inventor's Signature: Hla Kyaw Date: \_\_\_\_\_

Inventor's Signature: Guo-Liang Yu Date: \_\_\_\_\_

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Human Genome Sciences, Inc.  
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Inventor's Signature: \_\_\_\_\_ Date: 6/11/99  
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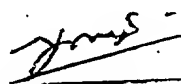
Inventor's Signature: David W. Lafleur Date: \_\_\_\_\_

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Ref No: PZ007P1  
Serial No. 09/205,258Inventor's Signature: Daniel R. Soppet Date: \_\_\_\_\_Inventor's Signature: Yi Li Date: \_\_\_\_\_Inventor's Signature: Zhizhen Zeng Date: \_\_\_\_\_Inventor's Signature:  Date: 6/7/99  
Hla KyawInventor's Signature: Guo-Liang Yu Date: \_\_\_\_\_Inventor's Signature: Ping Feng Date: \_\_\_\_\_Inventor's Signature: Patrick J. Dillon Date: \_\_\_\_\_Inventor's Signature: Gregory A. Endress Date: \_\_\_\_\_Inventor's Signature: Kenneth C. Carter. Date: \_\_\_\_\_Human Genome Sciences, Inc.  
9410 Key West Avenue, Rockville, Maryland, 20850  
Tel: 301-309-8504 Fax: 301-309-8439

Ref No: PZ007P1  
Serial No. 09/205,258

### ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, each of the undersigned, Paul Young; John M. Greene; Ann M. Ferrie; Steven M. Ruben; Craig A. Rosen; Jing-Shan Hu; Henrik S. Olsen; Reinhard Ebner; Laurie A. Brewer; Paul A. Moore; Yanggu Shi; Charles Florence; Kimberly Florence; David W. Lafleur; Jian Ni; Ping Fan; Ying-Fei Wei; Carrie L. Fischer; Daniel R. Soppet; Yi Li; Zhizhen Zeng; Hla Kyaw; Guo-Liang Yu; Ping Feng; Patrick J. Dillon; Gregory A. Endress; and Kenneth C. Carter, hereby sell(s), assign(s) and transfer(s) to Human Genome Sciences, Inc. ("Assignee") having a place of business at 9410 Key West Avenue, Rockville, MD 20850, its successors, assigns and legal representatives, his entire right, title and interest for the United States and all other countries, in and to the improvements(s) known as:

#### 207 Human Secreted Proteins

for which application for United States Letters Patent was filed on December 4, 1998 and assigned Serial No. 09/205,258, and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all other countries on any of said improvements, and in and to all original and reissued patents which have been or shall be issued in the United States and all other countries on said improvements (hereinafter collectively, the "Patent Rights").

The undersigned further agrees that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and, when requested, without charge to but at the expense of Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on all such improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives all facts known to the undersigned relating to said improvements and the history thereof; and do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patent and all patents on said improvements in Assignee, its successors, assigns and representatives.

The undersigned hereby represents and warrants to Assignee, its successors, assigns and representatives that no assignment, grant, mortgage, license or other right or agreement affecting the rights and property herein conveyed has been made to others by the undersigned and that full right to convey the same as expressed herein is possessed by the undersigned.

The undersigned hereby grants the power to A. Anders Brookes (Reg. No. 36,373), Kenley K. Hoover (Reg. No. 40,302); James H. Davis (Reg. No. 40,582), Joseph J. Kenny (Reg. No. 43,710) and Michele M. Wales (Reg. No. 43,975) all of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850 to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, this Assignment is executed by the undersigned on the date(s) opposite their signature(s):

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Paul Young

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
John M. Greene

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Ann M. Ferrie



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Inventor's Signature: Steven M. Ruben Date: \_\_\_\_\_

Inventor's Signature: Craig A. Rosen Date: \_\_\_\_\_

Inventor's Signature: Jing-Shan Hu Date: \_\_\_\_\_

Inventor's Signature: Henrik S. Olsen Date: \_\_\_\_\_

Inventor's Signature: Reinhard Ebner Date: \_\_\_\_\_

Inventor's Signature: Laurie A. Brewer Date: \_\_\_\_\_

Inventor's Signature: Paul A. Moore Date: \_\_\_\_\_

Inventor's Signature: Yanggu Shi Date: \_\_\_\_\_

Inventor's Signature: Charles Florence Date: \_\_\_\_\_

Inventor's Signature: Kimberly Florence Date: \_\_\_\_\_

Inventor's Signature: David W. Lafleur Date: \_\_\_\_\_

Inventor's Signature: Jian Ni Date: \_\_\_\_\_

Inventor's Signature: Ping Fan Date: \_\_\_\_\_

Inventor's Signature: Ying-Fei Wei Date: \_\_\_\_\_

Inventor's Signature: Carrie L. Fischer Date: \_\_\_\_\_

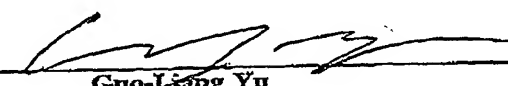
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Inventor's Signature: Zhizhen Zeng Date: \_\_\_\_\_

Inventor's Signature: Hla Kyaw Date: \_\_\_\_\_

Inventor's Signature:  Date: 7/23/99  
Guo-Liang Yu

Inventor's Signature: Ping Feng Date: \_\_\_\_\_

Inventor's Signature: Patrick J. Dillon Date: \_\_\_\_\_

Inventor's Signature: Gregory A. Endress Date: \_\_\_\_\_

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Human Genome Sciences, Inc.  
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#### 207 Human Secreted Proteins

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Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Paul Young

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John M. Greene

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Ann M. Ferrie

Ref No: PZ007P1  
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Inventor's Signature: Yi Li Date: \_\_\_\_\_

Inventor's Signature: Zhizhen Zeng Date: \_\_\_\_\_

Inventor's Signature: Hla Kyaw Date: \_\_\_\_\_

Inventor's Signature: Guo-Liang Yu Date: \_\_\_\_\_

Inventor's Signature: Ping Feng Date: \_\_\_\_\_

Inventor's Signature: Patrick J. Dillon Date: 06/13/99

Inventor's Signature: Gregory A. Endress Date: \_\_\_\_\_

Inventor's Signature: Kenneth C. Carter. Date: \_\_\_\_\_

Human Genome Sciences, Inc.  
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#### 207 Human Secreted Proteins

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Serial No. 09/205258

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Patrick J. Dillon

Inventor's Signature: \_\_\_\_\_ Date: 6/3/99  
Gregory A. Endress

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Kenneth C. Carter.

Human Genome Sciences, Inc.  
9410 Key West Avenue, Rockville, Maryland, 20850  
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## 207 Human Secreted Proteins

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